

M.S. in Human Factors

Daytona Beach Program Requirements

Core Requirements	27
Option	9
Total Credits	36

Core Requirements

HFCT 501	Human Factors in Systems	3
HFCT 510	Research Design and Analysis I	3
HFCT 511	Research Design and Analysis II	3
HFCT 515	Ergonomics for Human Factors	3
or HFCT 624	Ergonomics and Biomechanics	
HFCT 615	Sensation and Perception for Human Factors	3
HFCT 617	Human Factors Methods	3
HFCT 620	Memory and Cognition	3
or HFCT 606	Human Cognition	
HFCT 635	Human-Computer Interaction	3
HFCT 675	Multivariate Statistics: Factor Analysis and Data Reduction	3
Total Credits		27

Option

Option I: Non-Thesis

Electives		9
AVSF 611	Aviation/Aerospace System Safety	
HFCT 500	Systems Concepts, Theory, and Tools	
HFCT 520	Team Performance	
HFCT 521	Modeling Humans in Complex Systems	
HFCT 526	Aerospace Physiology	
HFCT 527	Advanced Psychopharmacology	
HFCT 540	Foundations of Public Health	
HFCT 545	Principles of Health, Systems, Policy and Management	
HFCT 548	Epidemiology and Public Health	
HFCT 590	Graduate Seminar	
HFCT 599	Special Topics in Human Factors	
HFCT 614	Human Factors in Medicine	
HFCT 616	Human Factors of Transportation	
HFCT 617	Human Factors Methods	
HFCT 618	Human Factors in Aging: Behavioral and Biological Foundations	
HFCT 622	Human Factors in Entertainment Systems	
HFCT 624	Ergonomics and Biomechanics	
HFCT 625	Applied Testing and Selection	
HFCT 626	Human Factors Principles of Visual Communication	
HFCT 630	Applied Cognitive Science	
HFCT 640	Human Physiology and Adaptation	
HFCT 650	Human Factors of Aviation/Aerospace Applications	
HFCT 680	Graduate Seminar: Current Applications in Human Factors	
HFCT 690	Human Factors Capstone	
HFCT 699	Special Topics in Human Factors	
HFCT 705	Small N Designs and Non-Parametric Analysis	

MGMT 520	Organizational Behavior, Theory, and Applications in Aviation
MSAV 641	Production and Procurement Management in the Aviation/Aerospace Industry
SCLM 511	Operations Research
SFTW 500	Software Engineering Discipline
SFTW 520	Formal Methods for Software Engineering
COIN 696	Graduate Internship

Total Credits 9

Option II: Thesis

Electives		3
AVSF 611	Aviation/Aerospace System Safety	
HFCT 500	Systems Concepts, Theory, and Tools	
HFCT 520	Team Performance	
HFCT 521	Modeling Humans in Complex Systems	
HFCT 526	Aerospace Physiology	
HFCT 527	Advanced Psychopharmacology	
HFCT 540	Foundations of Public Health	
HFCT 545	Principles of Health, Systems, Policy and Management	
HFCT 548	Epidemiology and Public Health	
HFCT 590	Graduate Seminar	
HFCT 599	Special Topics in Human Factors	
HFCT 614	Human Factors in Medicine	
HFCT 616	Human Factors of Transportation	
HFCT 617	Human Factors Methods	
HFCT 618	Human Factors in Aging: Behavioral and Biological Foundations	
HFCT 622	Human Factors in Entertainment Systems	
HFCT 624	Ergonomics and Biomechanics	
HFCT 625	Applied Testing and Selection	
HFCT 626	Human Factors Principles of Visual Communication	
HFCT 630	Applied Cognitive Science	
HFCT 640	Human Physiology and Adaptation	
HFCT 650	Human Factors of Aviation/Aerospace Applications	
HFCT 680	Graduate Seminar: Current Applications in Human Factors	
HFCT 690	Human Factors Capstone	
HFCT 699	Special Topics in Human Factors	
HFCT 705	Small N Designs and Non-Parametric Analysis	
MGMT 520	Organizational Behavior, Theory, and Applications in Aviation	
MSAV 641	Production and Procurement Management in the Aviation/Aerospace Industry	
SCLM 511	Operations Research	
SFTW 500	Software Engineering Discipline	
SFTW 520	Formal Methods for Software Engineering	
COIN 696	Graduate Internship	
Thesis		6
HFCT 700	Graduate Thesis	
Total Credits		9

Suggested Plan of Study

Option I: Non-Thesis

Year One

Requirements	Credits
HFCT 501 - Human Factors in Systems	3
HFCT 510 - Research Design and Analysis I	3
HFCT 615 - Sensation and Perception for Human Factors	3
Semester Hours	9

Requirements	Credits
HFCT 511 - Research Design and Analysis II	3
HFCT 515 - Ergonomics for Human Factors or 624 - Ergonomics and Biomechanics	3
HFCT 620 - Memory and Cognition or 606 - Human Cognition	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 18

Year Two

Requirements	Credits
HFCT 617 - Human Factors Methods	3
HFCT 675 - Multivariate Statistics: Factor Analysis and Data Reduction	3
Elective	3
Semester Hours	9

Requirements	Credits
HFCT 635 - Human-Computer Interaction	3
Elective	3
Elective	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 18

Option II: Thesis

Year One

Requirements	Credits
HFCT 501 - Human Factors in Systems	3
HFCT 510 - Research Design and Analysis I	3
HFCT 615 - Sensation and Perception for Human Factors	3
Semester Hours	9

Requirements	Credits
HFCT 511 - Research Design and Analysis II	3
HFCT 515 - Ergonomics for Human Factors or 624 - Ergonomics and Biomechanics	3

HFCT 620 - Memory and Cognition or 606 - Human Cognition	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 18

Year Two

Requirements	Credits
HFCT 617 - Human Factors Methods	3
HFCT 675 - Multivariate Statistics: Factor Analysis and Data Reduction	3
HFCT 700 - Graduate Thesis	3
Semester Hours	9

Requirements	Credits
HFCT 635 - Human-Computer Interaction	3
HFCT 700 - Graduate Thesis	3
Elective	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 18